

# Sacramento Valley



July 25, 2013

miles hermann 07

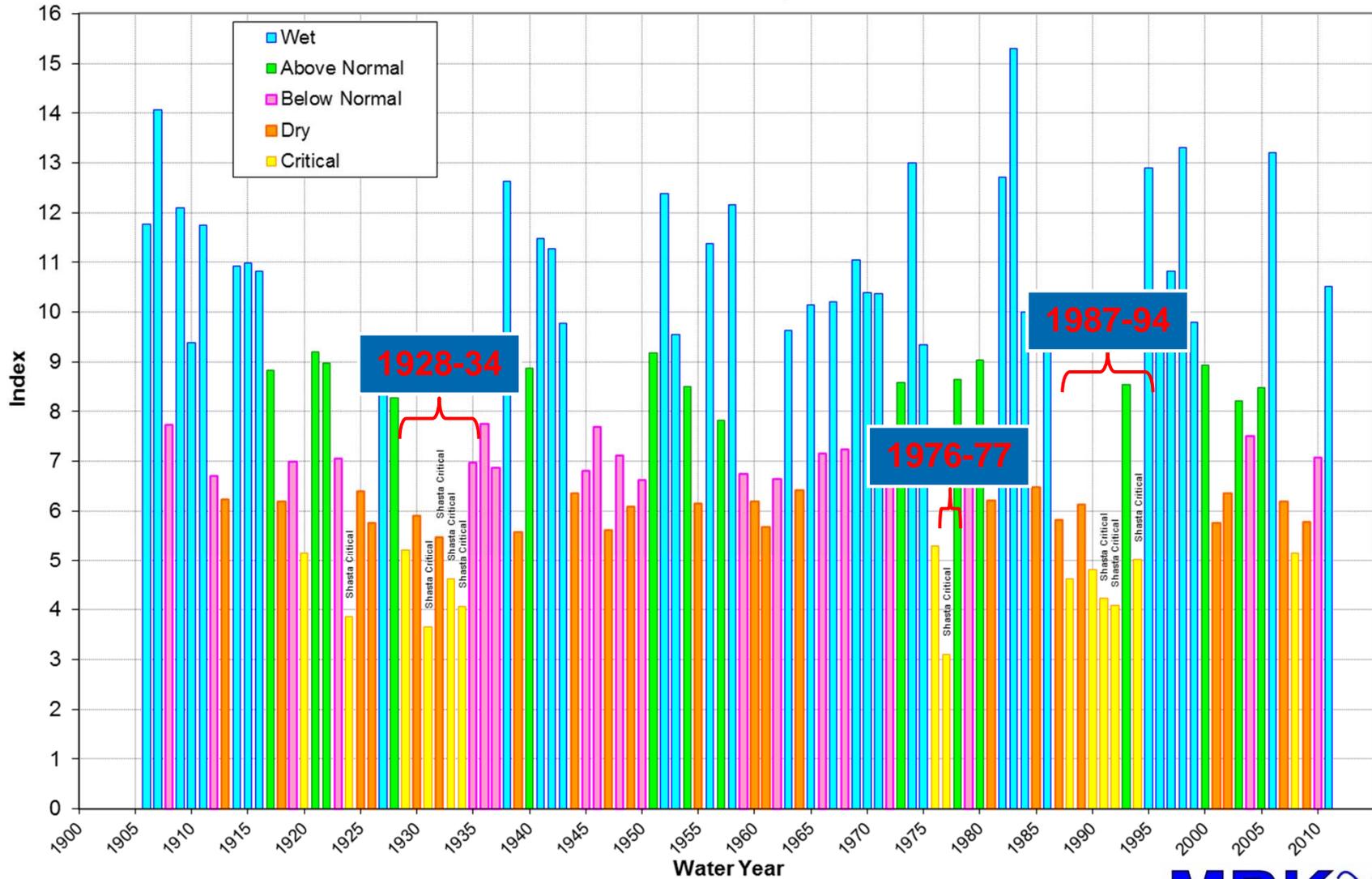
# What is a Drought?

- A prolonged period of dryness
- A prolonged or chronic shortage or lack of water



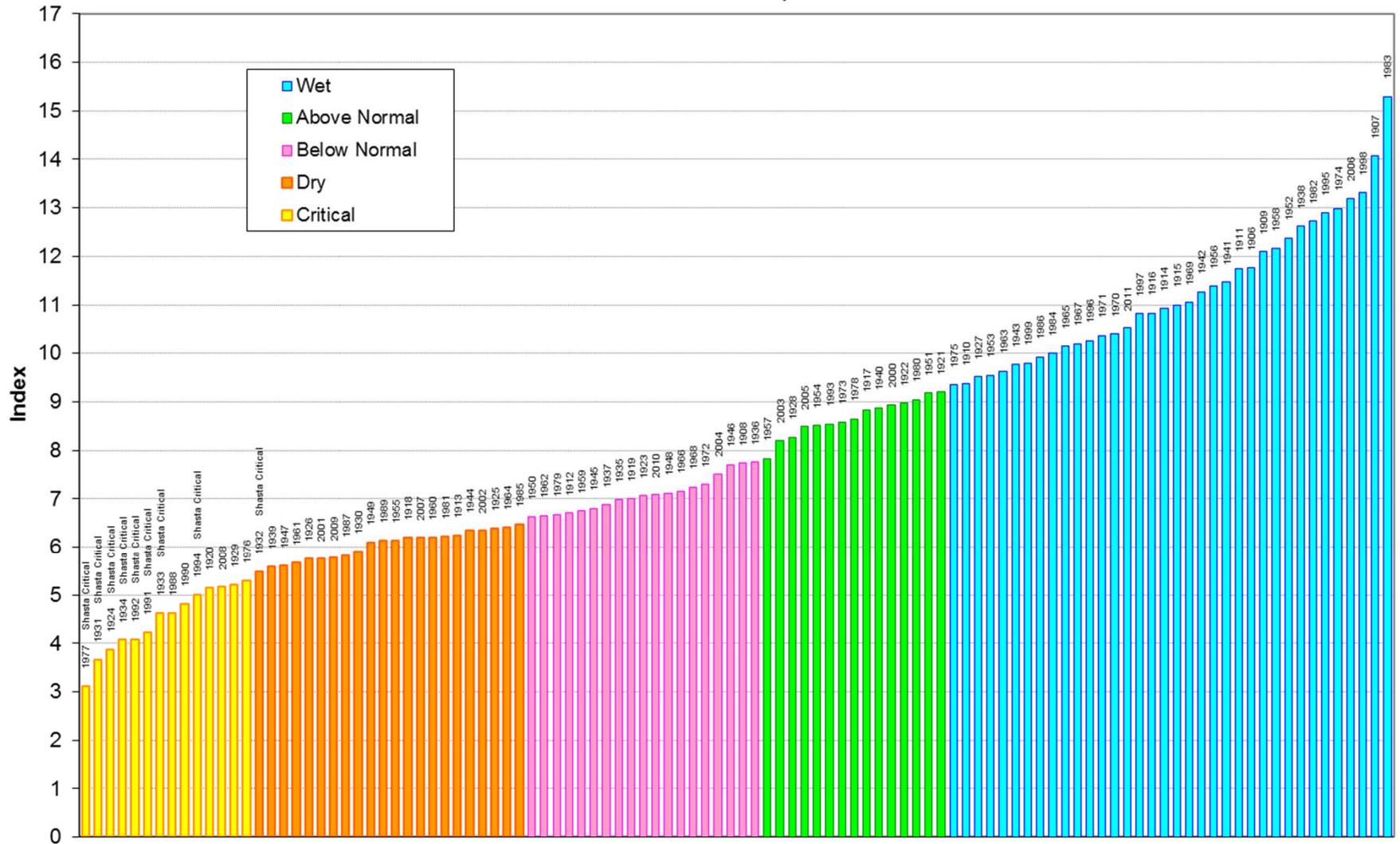
# Sacramento Valley Water Year Type Index (40-30-30) 1906 - 2011

Based on Observed Unimpaired Runoff



# Sacramento Valley Year Type Index (40-30-30) 1906-2011 Sorted

Based on Observed Unimpaired Runoff



# 1976-77 Drought

- Very short, but focused drought
- Reduced flows throughout the Valley
- No deliveries in certain districts
- CVP Water Service Contracts – 25%
- CVP Water Right Settlement Contracts reduced
- SWP Exchange Contracts reduced

# 1988-1992 Drought

- CVP Water Service Contracts – 25% (91/93)
  - CVP Water Right Settlement Contracts reduced (91/92/94)
  - SWP Exchange Contracts reduced (91/92)
  - Significantly reduced deliveries in certain districts
  - ESA scrutiny/injunction
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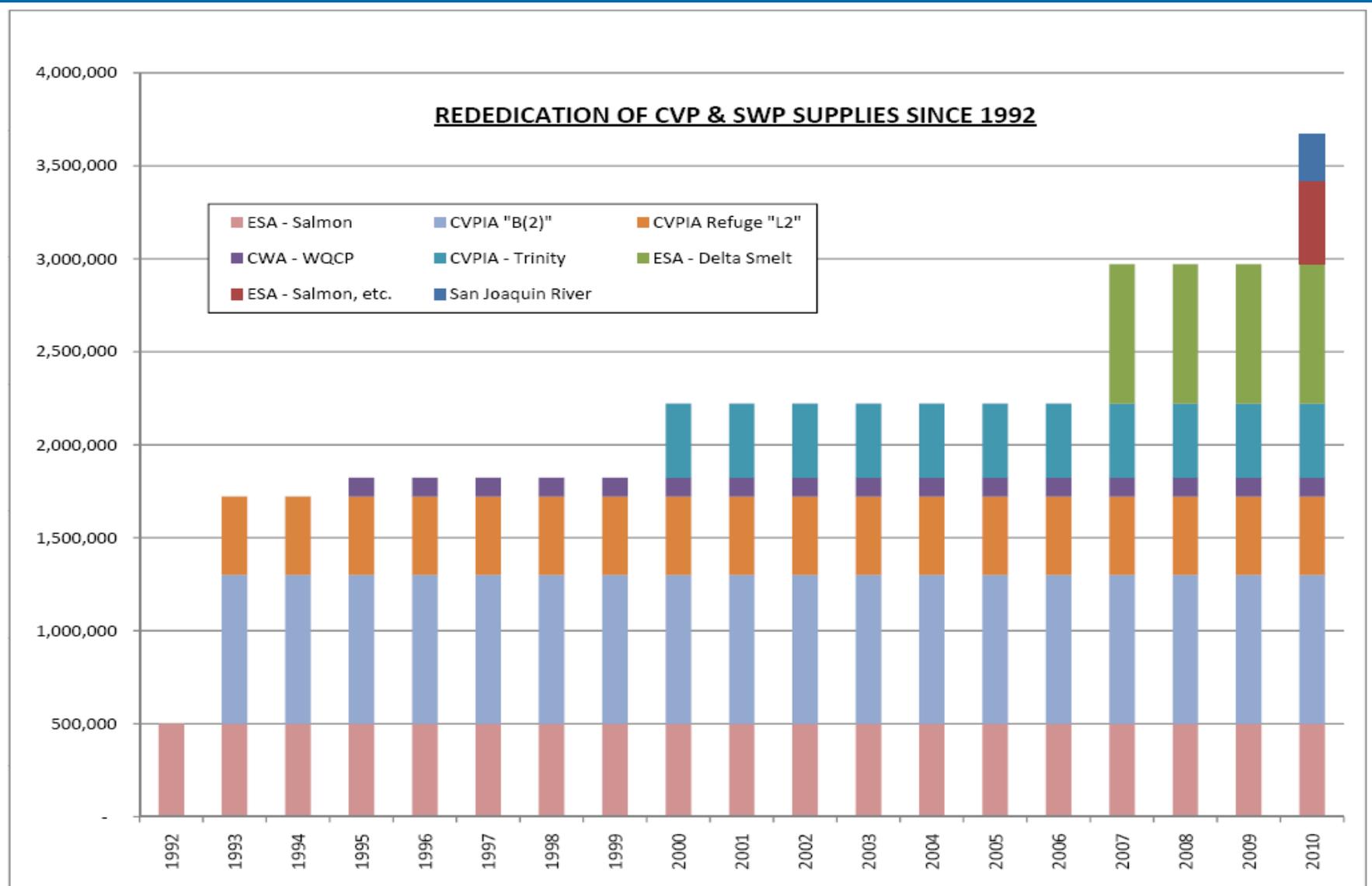
# 2007-2009 Drought

- CVP Water Service Contracts – 40% (08,09)
- In June 2008 the Governor issued an executive order proclaiming a condition of statewide drought and a state of emergency in nine Central Valley counties
- In February 2009 the Governor proclaimed a state of emergency for nine Central Valley counties and in June 2009 the Governor issued an executive order proclaiming a condition of statewide drought
- DWR creates 2009 Drought Water Bank

# How Does the Sacramento Valley Respond to Drought?

- Groundwater pumping
  - Neighbor to neighbor water transfers
  - Internal management, i.e., recycling
  - Crop shifting, idling
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# Pressures External to Region



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- Reoperation, forbearance, and water transfers is one flexible way to ensure that California's most precious water resource can be put to reasonable and beneficial use to the maximum degree practicable in other areas of the state.
- Governor's May 20, 2013 Executive Order to Streamline Transfers

# Sacramento Valley Sustainability

Water resources managers are actively managing the region's precious water resources to support the rich mosaic of inter-dependent farmlands, refuges and managed wetlands, meandering rivers that support fisheries and wildlife, and the cities and rural communities sprinkled throughout the region. Our overarching goal is to continually improve water management as a means of achieving regional sustainability with respect to water resources. The ongoing sustainability initiative in the Sacramento Valley advances the state policy "to improve regional self-reliance."

# Active Water Management - Preparing for Drought

- California Drought Contingency Plan (November 2010)
  - NCWA Water Management Task Force
  - NCWA Drought Preparation Workshop – January 30, 2013
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# Summary Thoughts

- California has an orderly system of water allocation when there is not enough water (SWRCB July 2013 Notice)
  - Active water management leading up to drought is critical
  - Premium value of surface storage in dry years for all beneficial purposes
  - Collaboration
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